QL 640 .S666 REPTREF

HERPETOLOGICAL BIBLIOGRAPHY &
SCIENTIFIC NAME INDEX TO THE BULLETIN OF THE
SOUTHERN CALIFORNIA ACADEMY OF SCIENCES,
VOLUMES 1-90, 1901 – 1991 &
THE MEMOIRS 1-10, 1938 – 1986



Ernest A. Liner Houma, Louisiana



SMITHSONIAN
HERPETOLOGICAL INFORMATION
SERVICE
NO. 139

2009

SMITHSONIAN HERPETOLOGICAL INFORMATION SERVICE

The first number of the SMITHSONIAN HERPETOLOGICAL INFORMATION SERVICE series appeared in 1965. SHIS number 1 was a list of herpetological publications arising from within or through the Smithsonian Institution and its collections entity, the United States National Museum (USNM). The latter exists now as little more than the occasional title for the registration activities of the National Museum of Natural History. No. 1 was prepared and printed by J. A. Peters, then Curator-in-Charge of the Division of Amphibians & Reptiles. The availability of a NASA translation service and assorted indices encouraged him to continue the series and distribute these items on an irregular schedule.

The series continues under that tradition. Specifically, the SHIS series prints and distributes translations, bibliographies, indices, and similar items judged useful to individuals interested in the biology of amphibians and reptiles, and unlikely to be published in the normal technical journals. We wish to encourage individuals to share their bibliographies, translations, etc. with other herpetologists through the SHIS series. If you have such an item, please contact George Zug for its consideration for distribution through the SHIS series. Contributors receive a pdf file for personal distribution

Single printed copies are available to interested individuals at \$5 per issue. Recent issues of SHIS are available as pdf files from our webpage www.mnh.si.edu/rc/. Libraries, herpetological associations, and research laboratories are invited to exchange their publications with us.

Please address all requests for printed copies and inquiries to George Zug, Division of Amphibians and Reptiles, National Museum of Natural History, Smithsonian Institution, PO Box 37012, Washington, D.C. 20013-7012, U.S.A. Please include a self-addressed mailing label with requests.

Introduction

The present bibliography and scientific name index covers all the herpetological papers published in the Bulletin of the Southern California Academy of Sciences from volume 1, 1901 through volume 90, 1991 and the Memoir series, 1-10, 1938-1986. Prior to the Bulletin, the academy published a Proceedings series from July 1896 to September 1899. The Proceeding consisted of six volumes, but no herpetological articles were included. The Bulletin was planned as a monthly publication. Volume 1 contained 10 numbers and only 9 numbers in volumes 2 through 4. In volumes 5 through 23, the number of issues fluctuated from one to six. Volume 24 to 60 included three numbers each year. Volume 61 and subsequently had four issues each year. From volume 70 to the present, the Bulletin consists of three issues each year.

In the following bibliography, all articles are listed alphabetically by authors. Junior author(s) are cross-referenced to the senior author(s). All articles with original descriptions of new names in herpetology are prefixed with an asterisk.

The scientific name index includes all the scientific names of amphibians and reptiles included in the numbered articles in the bibliography. Names in Literature Cited are not included. All original names are **boldfaced**. When both **i** and **ii** appears for the same taxon then both are included under **ii**. All names are given as appears in the paper with no effort to correct misspellings or typos.

My thanks to C. Gans for originally suggesting this project and to G. R. Zug and W. R. Heyer for suggesting the scientific name index, and R. Lawson and J. W. Wright for checking missing items for me.

LITERATURE CITED

BULLETIN OF THE SOUTHERN CALIFORNIA ACADEMY OF SCIENCES

- Anderson, Steven C., see Dixon, James R., 1973.
- 1. Awbrey, Frank T., Stephen Leatherwood, Edward D. Mitchell, & William Rogers. 1984. Nesting green turtles (*Chelonia mydas*) on Isla Clarion, Islas Revillagigedos, Mexico. 83: 69-75.
- 2. Bellemin, Jeanne M. & Glenn R. Stewart. 1977. Diagnostic characters and color convergence of the garter snakes *Thamnophis elegans terrestris* and *Thamnophis couchii atratus* along the central California coast. 76: 73-84.

 Bennett, Stephen G., see Loomis, Richard B., 1977.
- 3. Bogert, Charles M. 1930. An annotated list of the amphibians and reptiles of Los Angeles County, Calif. 29: 3-14.
- 4. *----. 1935. Salvadora virgultes, a new subspecies of the patch-nosed snake. 34: 88-94.
- 5. Brame, Arden H., Jr. 1960. The salamander genus *Oedipina* in northern Central America. 59: 153-162.
- 6. ----. 1964. Distribution of the Oregon slender salamander, *Batrachoseps wrighti* (Bishop). 63: 165-170.
- 7. *Brandon, Ronald A., Edward J. Maruska, & William T. Rumph. 1981. A new species of neotenic *Ambystoma* (Amphibia, Caudata) endemic to Laguna Alchichica, Puebla, Mexico. 80: 112-125.
- 8. Brattstrom, Bayard H. 1954. Amphibians and reptiles from Gympsum Cave, Nevada. 53: 8-12.
- 9. *----. 1958. New records of Cenozoic amphibians and reptiles from California. 57: 5-12.
- 10. ----. 1964. Amphibians and reptiles from cave deposits in south-central New Mexico. 63: 93-103.
- 11. ----. 1973. Rate of heat loss by large Australian monitor lizards. 72: 52-54.
- 12. ----. 1976. A Pleistocene herpetofauna from Smith Creek Cave, Nevada. 75: 283-284.
- 13. *--- & Ann Sturn. 1959. A new species of fossil turtle from the Pliocene of Oregon, with notes on other fossil *Clemmys* from western North America. 58: 65-71. Brattstrom, Bayard H., see Hudson, Dennis M., 1977.
 - Broadley, Donald G., see Wright, John W., 1973.
- 14. Caldwell, David K. 1969. Hatchling green turtles, *Chelonia mydas*, at sea in the northeastern Pacific Ocean. 68: 113-114.
- 15. ---- & Donald S. Erdman. 1969. Pacific ridley seaturtle *Lepidochelys olivacea*, in Puerto Rico. 68: 112.
- 16. Campbell, Howard W. & Robert S. Simmons. 1962. Notes on some reptiles and amphibians from western Mexico. 61: 193 -203.
- 17. Childs, Henry E., Jr. 1955. An incidence of albinism in yellow-legged frogs. 54: 126-127.

- 18. Cohen, Nathan W. & Sherwin F. Wood. 1953. Vertebrate census of an earth, stone, concrete check dam at the San Joaquin Experimental Range. 52: 35-38.
- 19. Cornett, James W. 1981. *Batrachoseps major* (Amphibia: Caudata: Plethodontidae) from the Colorado Desert. 80: 94-95.
- 20. DeLisle, Harold F. 1991. Behavioral ecology of the banded rock lizard (*Petrosaurus mearnsi*). 90: 102-117.
- 21. DesLauriers, James R. 1965. A new Miocene tortoise from southern California. 64: 1-10. DeWeese, James E., see Savage, Jay M., 1979.
- 22. *Dixon, James R. & Steven C. Anderson. 1973. A new genus and species of gecko (Sauria: Gekkonidae) from Iran and Iraq. 72: 155-160.
- 23. ---- & W. Ronald Heyer. 1968. Anuran succession in a temporary pond in Colima, Mexico. 67: 129-137.
 - Dole, Jim W., see Tracy, C. Richard, 1969.
 - Dugas, Diana D., see Wilson, Larry David, 1972.
- 24. Dyer, William G. 1975. Parasitism as an indicator of food sources in a cave-adapted salamander habitat. 74: 72-75.
 - Erdman, Donald S., see Caldwell, David K., 1969.
- 25. Etheridge, Richard. 1960. The Pliocene lizard genus Eumecoides Taylor. 59: 62-69.
- 26. Fair, Jay W. 1969. Survival of weevils through the digestive tract of an amphibian. 68: 260-261.
- Fritts, Thomas H., Margery L. Stinson, & Rene Marquez M. 1982. Status of sea turtle nesting in southern Baja California, Mexico. 81: 51-60.
 Fritts, Thomas H., see McCoid, Michael J., 1980.
- 28. Gaudin, Anthony J. 1973. Species of North American chorus frogs (genus *Pseudacris*: family Hylidae). 72: 49-50.
- 29. Hayes, Marc P. & Priscilla H. Starrett. 1980. Notes on a collection of centrolenid frogs from the Colombian Choco. 79: 89-96.

 Heyer, W. Ronald, see Dixon, James R., 1968.
- 30. Hill, Howard R. 1934. The occurrence of linguatulids in pythons. 3: 117-122.
- 31. ----. 1935. New host records of the linguatulid *Kiricephalus coarctatus* (Diesing) in the United States. 34: 226-227.
- 32. Hilton, William A. 1945a. An *Aneides lugubris lugubris* from Catalina Island, California. 44: 54-56.
- 33. ----. 1945b. Contributions from the Los Angeles Museum Channel Islands Biological Survey. No. 32. Distribution of the genus *Batrachoseps*, especially on the coastal islands of southern California. 44: 101-129.
- 34. ----. 1947. Lateral line sense organs in salamanders. 46: 97-110.
- 35. ----. 1950. The ear of salamanders. 49: 41-54.
- 36. ----. 1951. The olfactory system of tailed Amphibia. 50: 119-127.

- 37. ----. 1952. Dural blood vessels of salamanders. 51: 79-85.
- 38. ----. 1953. The pial vessels of the central nervous system in salamanders. 52: 28-34.
- 39. ----. 1957. Head muscles of salamanders. 56: 1-13.
- 40. ----. 1959. Review of the head muscles of salamanders. Part I. 58: 133-137.
- 41. ----. 1960. A review of the head muscles of salamanders. Part II. 59: 163-169.
- 42. ----. 1962. Shoulder and upper arm muscles of salamanders. 61: 205-216.
- 43. Howell, Channing T. & Sherwin F. Wood. 1957. The prairie rattlesnake at Gran Quivira National Monument, New Mexico. 56: 97-98.
- 44. Hudson, Dennis M. & Bayard H. Brattstrom. 1977. A small herpetofauna from the late Pleistocene of Newport Beach Mesa, Orange, County, California. 76: 16-20.
- 45. Jefferson, George T. 1982. Late Pleistocene vertebrates from a Mormon Mountain cave in southern Nevada. 81: 121-127.
- 46. Kluge, Arnold G. 1965. Noteworthy records of the gekkonid lizard genus *Homonota* Gray from Argentina. 64: 127-131.
 - Leatherwood, Stephen, see Awbrey, Frank T., Edward D. Mitchell, & William Rogers, 1984.
- 47. Loomis, Richard B. & Stephen G. Bennett. 1977. A new species of *Eutrombicula* (Acarina: Trombiculidae) from lizards of Nevado de Colima, Jalisco, Mexico. 76: 69-72.
- 48. ---- & Robert C. Stephens. 1962. Records of snakes from Joshua Tree National Monument, California. 61: 29-36.
- 49. ---- & ---- 1967. Additional notes on snakes taken in and near Joshua Tree National Monument, California. 66: 1-22.
- 50. ---- & ---- 1973. The chiggers (Acarina, Trombiculidae) parasitizing the side-blotched lizard (*Uta stansburiana*) and other lizards in Joshua Tree National Monument, California. 72: 78-89.
 - Loomis, Richard B., see Webb, James P., Jr., 1970; Welbourn, W. C., Jr., 1970.
- 51. Lowe, Charles H., Jr. & Richard G. Zweifel. 1951. Sympatric populations of *Batrachoseps attenuatus* and *Batrachoseps pacificus* in southern California. 50: 128-135.
- 52. Lynch, John D. 1969. The identity of the frog, *Pseudohyla nigrogrisea* of Ecuador. 68: 219-224.
- 53. ----. 1972. Generic partitioning of the South American leptodactylid frog genus *Eupsophus* Fitzinger, 1843 (*sensu lato*). 71: 2-11.
- 54. *----. 1973. A new species of *Eleutherodactylus* (Amphibia: Leptodactylidae) from Andean Ecuador. 72: 107-109.
- 55. *----. 1975. A new Chilean frog of the extra-Andean assemblage of *Telmatobius* (Amphibia: Leptodactylidae). 74: 160-161.

- Marquez M., Rene, see Fritts, Thomas H. & Margery L. Stinson, 1982.
- Maruska, Edward J., see Brandon, Ronald A. & William T. Rumph, 1981.
- 56. McCoid, Michael J. & Thomas H. Fritts. 1980. Observations of feral populations of *Xenopus laevis* (Pipidae) in southern California. 79: 82-86.
 - McCranie, James R., see Savage, Jay M. & Larry David Wilson, 1988; Wilson, Larry David & Louis Porras, 1977.
- 57. McDiarmid, Roy W. 1968. Variation, distribution and systematic status of the black-headed snake *Tantilla yaquia* Smith. 67: 159-177.
- 58. Medica, Philip A. 1967. Food habits, habitat preference, reproduction, and diurnal activity in four sympatric species of whiptail lizards (*Cnemidophorus*) in south central New Mexico. 66: 251-276.
- 59. Meyer, John R. 1968. The ecological significance of feeding behavior in the Mexican lizard, *Anolis barkeri*. 67: 255-262.
- 60. ---- & Larry David Wilson. 1971. Taxonomic studies and notes on some Honduran amphibians and reptiles. 70: 106-114.
 - Meyer, John R., see Wilson, Larry David, 1969; Wilson, Larry David, 1972a; Wilson, Larry David, 1972b.
 - Mitchell, Edward D., see Awbrey, Frank T., Stephen Leatherwood, & William Rogers, 1984.
- 61. Morton, Martin L. & Kenneth N. Sokolski. 1978. Sympatry in *Bufo boreas* and *Bufo canorus* and additional evidence of natural hybridization. 77: 52-55.
- 62. Patterson, Robert. 1973. The os transiliens in four species of tortoises, genus *Gopherus*. 72: 51-52.
- 63. *Peters, James A. 1964. The lizard genus Ameiva in Ecuador. 63: 113-127.
- 64. Peterson, Edward L. & Sherwin F. Wood. 1955. A Sonoran lyre snake, *Trimorphodon*, under a ground cloth. 54: 166.
 - Porras, Louis, see Wilson, Larry David & James R. McCranie, 1977.
- 65. Presch, William. 1974. Evolutionary relationships and biogeography of the macroteiid lizards (family Teiidae, subfamily Teiinae). 73: 23-32.
- 66. ----. 1975. The evolution of limb reduction in the teild lizard genus *Bachia*. 74: 113-121.
- 67. ----. 1976. Secondary palate formation in microteiid lizards (Teiidae: Lacertilia). 75: 281-283.
- 68. Rivers, J. J. 1902. Silvery footless lizard or snake. 1: 27.
 - Robinson, Douglas C., see Wilson, Larry David, 1971.
 - Rogers, William, see Awbrey, Frank T., Stephen Leatherwood, & Edward D. Mitchell, 1984.
 - Rumph, William T., see Brandon, Ronald A. & Edward J. Maruska, 1981.
- 69. Savage, Jay M. 1956. The major features of lizard evolution. 55: 117-119.
- 70. *----. 1965. A new bromeliad frog of the genus *Eleutherodactylus* from Costa Rica. 64: 106-110.

- 71. *----. 1968. A new red-eyed tree-frog (family Hylidae) from Costa Rica, with a review of the *Hyla uranochoroa* group. 67: 1-20.
- 72. *---- 1980a. A new frog of the genus *Eleutherodactylus* (Leptodactylidae) from the Monteverde Forest Preserve, Costa Rica. 79: 13-19.
- 73. ----. 1980b. A synopsis of the larvae of Costa Rican frogs and toads. 79: 45-54.
- 74. *---- & James E. DeWeese. 1979. A new species of leptodactylid frog, genus *Eleutherodactylus*, from the Cordillera de Talamanca, Costa Rica. 78: 107-115.
- 75. *----, James R. McCranie, & Larry David Wilson. 1988. New upland stream frogs of the *Eleutherodactylus rugulosus* group (Amphibia: Anura: Leptodactylidae) from Honduras. 87: 50-56.
- 76. ---- & Frederick W. Schuierer. 1961. The eggs of toads of the *Bufo boreas* group, with descriptions of the eggs of *Bufo exsul* and *Bufo nelsoni*. 60: 93-99. Savage, Jay M., see Starrett, Pricella H., 1973.
- Schuierer, Frederick W. 1958. Factors affecting neoteny in the salamander *Dicamptodon ensatus* (Eschscholtz). 57: 119-121.
 Schuierer, Frederick W., see Savage, Jay M., 1961.
- 78. Scott, Norman J., Jr. & Andrew Starrett. 1974. An unusual breeding aggregation of frogs, with notes on the ecology of *Agalychnis spurrelli* (Anura: Hylidae). 73: 86-94. Simmons, Robert S., see Campbell, Howard W., 1962. Sokolski, Kenneth N., see Morton, Martin L., 1978.
- 79. Soule, John D. 1966. Origin of the enamel matrix in developing amphibian teeth. 65: 193-201.
- 80. ----. 1970. The organic matrix in developing dental enamel and dentin studied by scanning electron microscopy. 69: 104-111.

 Starrett, Andrew, see Scott, Norman J., Jr., 1974.
- 81. *Starrett, Priscilla. 1966. Rediscovery of *Hyla pictipes* Cope, with description of a new montane stream *Hyla* from Costa Rica. 65: 17-28.
- 82. *---- & Jay M. Savage. 1973. The systematic status and distribution of Costa Rican glass-frogs, genus *Centrolenella* (family Centrolenidae), with description of a new species. 72: 57-78.

Starrett, Priscilla H., see Hayes, Marc P., 1980.

Stephens, Robert C., see Loomis, Richard B., 1962; 1967; 1973.

Stewart, Glenn R., see Bellemin, Jeanne M., 1977.

Stinson, Margery L., see Fritts, Thomas H. & Rene Marquez M., 1982.

Sturn, Ann, see Brattstrom, Bayard H., 1959.

- 83. Tracy, C. Richard & Jim W. Dole. 1969. Evidence of celestial orientation by California toads (*Bufo boreas*) during breeding migration. 68: 10-18.
- 84. Vaughn, Peter Paul. 1963. New information on the structure of Permian lepospondylous vertebrate from an unusual source. 62: 150-158.
- 85. *----. 1969. Further evidence of close relationship of the trematopsid and dissorophid labyrinthodont amphibians with a description of a new genus and new species. 68: 121-130.

- 86. ----. 1970. Alternation of neural spine height in certain early Permian tetrapods. 69: 80-86. Villa, Jaime, see Wilson, Larry David, 1973.
- 87. Vinegar, Allen. 1968. Brooding of the eastern glass lizard, *Ophisaurus ventralis*. 67: 65-68.
- 88. Von Bloeker, Jack C., Jr. 1942. Amphibians and reptiles of the dunes. 41: 29-38.
- 89. Wake, David B. 1961. The distribution of the Sinaloa narrowmouthed toad, *Gastrophryne mazatlanensis* (Taylor). 60: 88-92.
- 90. Webb, James P., Jr. & Richard, B. Loomis. 1970. Four species of *Microtrombicula* (Acarina: Trombiculidae) from Mexico and Nicaragua. 69: 133-144.
- 91. Webb, Robert G. 1982. Taxonomic status of some Neotropical garter snakes (genus *Thamnophis*). 81: 26-40.
- 92. Welbourn, W. C., Jr. & Richard B. Loomis. 1970. Three new species of *Hannemania* (Acarina, Trimbiculidae) from amphibians of western Mexico. 69: 65-73.
- 93. Wilson, Larry David. 1970. *Tantilla brevicauda*: An addition to the snake fauna of Guatemala, with comments on its relationships. 69: 118-120.
- 94. ----. 1974. *Tantilla taeniata* (Bocourt): An addition to the snake fauna of El Salvador. 73: 53-54.
- 95. ----. 1976. Variation in the South American colubrid snake (*Tantilla semicincta*, Bibron and Duméril), with comments on pattern dimorphism. 75: 42-48.
- 96. ---- & Diana D. Dugas. 1972. *Pliocercus euryzonus* Cope: An addition to the snake fauna of Honduras. 71: 159.
- 97. ----, James R. McCranie, & Louis Porras. 1977. Taxonomic notes on *Tantilla* (Serpentes: Colubridae) from tropical America. 76: 49-56.
- 98. ---- & John R. Meyer. 1969. A review of the colubrid snake genus *Amastridium*. 68: 145-159.
- 99. ---- & ---- 1972a. *Rhadinaea godmani*, an addition to the snake fauna of Honduras. 71: 50-52.
- 100. ---- & ----. 1972b. The coral snake *Micrurus nigrocinctus* in Honduras (Serpentes: Elapidae). 71: 139-145.
- 101. ---- & Douglas C. Robinson. 1971. Additional specimens of the colubrid snake *Amastridium veliferum* Cope from Costa Rica, with comments on a pseudohermaphrodite. 70: 53-54.
- 102. ---- & Jaime Villa. 1973. Colubrid snakes of the genus *Tantilla* from Nicaragua. 72: 93-96. Wilson, Larry David, see Meyer, John R., 1971; Savage, Jay M. & James R. McCranie, 1988.
- 103. Wood, Sherwin F. 1944a. The reptile associates of wood rats and cone-nosed bugs. 43: 44-48.
- 104. ----. 1944b. Notes on the food of reptiles with special reference to their possible control of cone-nosed bugs. 43: 86-91.
 Wood, Sherwin F., see Cohen, Nathan W., 1953; Howell, Channing T., 1957; Peterson, Edward L., 1955.
- 105. Wright, John W. & Donald G. Broadley. 1973. Chromosomes and the status of *Rhampholeon marshalli* Boulenger (Sauria: Chamaeleonidae). 72: 164-165.

- 106. *Zweifel, Richard G. 1954. A new frog of the genus *Rana* from western Mexico with a key to the Mexican species of the genus. 53: 131-141.
- 107. ----. 1981. Color pattern morphs of the kingsnake (*Lampropeltis getulus*) in southern California: Distribution and evolutionary status. 80: 70-81. Zweifel, Richard G., see Lowe, Charles H., Jr., 1951.

MEMOIRS OF THE SOUTHERN CALIFORNIA ACADEMY OF SCIENCES

- 108. Barrows, Cameron W. 1986. Coachella Valley Preserve-The Coachella solution: The establishment of the Coachella Valley Preserve. **In** Desert Ecology 1986: A research Symposium, (Robert G. Zahary, ed.). (10): 3-5.
- 109. Wake, David B. 1966. Comparative osteology and evolution of the lungless salamanders, family Plethodontidae. (4): 1-111.

SCIENTIFIC NAME INDEX

Acheloma cumminsi 85 Acheloma whitei 85 Acris crepitans 83 Acris gryllus 83 Adelphicos quadrivirgatus 98 Agalychnis annae 78 Agalychnis calcarifer 73 Agalychnis callidryas 73, 78 Agalychnis dacnicolor 23, 78 Agalychnis moreletti 78 Agalychnis saltator 73, 78 Agalychnis spurrelli 73, 78 Alopoglossus 65, 67 Alsodes coppingeri 53 Alsodes gargola 53 Alsodes illotus 53 Alsodes monticola 53 Alsodes nodosus 53 Amastridium sapperi 98 Amastridium veliferum 98, 101 Amblystoma annulatum 34 Amblystoma californiense 34 Amblystoma gracile 34 Amblystoma jeffersonianum 34 Amblystoma macrodactylum 34 Amblystoma maculatum 34, 35

Amblystoma opacum 34 Amblystoma talpoideum 34 Amblystoma texanum 34 Amblystoma tigrinum nebulosum 34 Amblystoma tigrinum tigrinum 34 Ambystoma 36, 37, 109 Ambystoma dumerilii 7 Ambystoma gracile 41 Ambystoma macrodactylum 41 Ambystoma maculata 39 Ambystoma maculatum 41, 42 Ambystoma opacum 35 Ambystoma rosaceum 7, 92 Ambystoma subsalsum 7 Ambystoma taylori 7 Ambystoma tigranum 35 Ambystoma tigrinum 7, 38 Ambystoma tigrinum californiense 17 Ambysytoma 36 Ameiva ameiva 65 Ameiva ameiva ameiva 63 Ameiva ameiva petersi 63 Ameiva auberi 65 Ameiva bifrontata 65 Ameiva bifrontata divisa 63 Ameiva bridgei 65

Ameiva bridgesii 63 Ameiva chrysolaema 65 Ameiva dorsalis 65 Ameiva edracantha 63 Ameiva erythrocephalus 65 Ameiva exsul 65 Ameiva festiva 65 Ameiva fuscata 65 Ameiva griswoldi 65 Ameiva leptophrys 65 Ameiva lineolata 65 Ameiva maynardi 65 Ameiva **orcesi** 63 Ameiva pleii 65 Ameiva pluvianotata 65 Ameiva polops 65 *Ameiva quadrilineata* 65 Ameiva septemlineata 63, 65 Ameiva taeniura 65 Ameiva thoracica 65 Ameiva undulata 65, 98 Ameiva wetmorei 65 Amphibamus 85 Amphiuma 34, 35, 36, 39, 40, 42, 109 Amvda 9 Anadia 65, 67 Aneides 34, 35, 39 Aneides aeneus 109 Aneides ferreus 109 Aneides flavipunctatus 109 Aneides hardii 109 Aneides lugubris 41, 44, 109 Aneides lugubris lugubris 3, 32 Anguis 66 Aniella nigra 68 Aniella pulchra 68 Anniella 66 Anniella pulchra 3, 50, 88 Anolis altae 60 Anolis anisolepis 60 Anolis barkeri 59 Anolis bouvierii 60 Anolis carolinensis 59 Anolis cobanensis 60 Anolis concolor 59, 60 Anolis crassulus 60 Anolis dunni 60 Anolis fuscoauratus 59

Anolis haguei 60 Anolis heteropholidotus 60 Anolis humilis humilis 60 Anolis humilis marsupialis 60, 82 Anolis humilis quaggulus 60 Anolis humilis uniformis 60 Anolis intermedius 60 Anolis laeviventris 60 Anolis lineatopus 59 Anolis nannodes 60 Anolis quaggulus 60 Anolis sagrei 59 Anolis sminthus 59, 60 Anolis tropidonotus 60, 98 Anolis uniformis 60 Anotheca spinosa 73 Anotosaura 65, 66 Argalia 65 Arizona elegans candida 49 Arizona elegans eburnata 48, 49 Arizona elegans occidentalis 3, 49, 104 Arthrosaura 65, 67 Asaccus 22 Asaccus elisae 22 Asaccus griseonotus 22 Ascaphus truei 83, 109 Atelopus chiriquiensis 73 Atelopus senex 73 Atelopus varius 73 Bachia 65, 67 Bachia barbouri 66

Bachia bicolor 66 Bachia dorbignyi 66 Bachia flavescens 66 Bachia heteropa 66 Bachia intermedia 66 Bachia monodactylus 66 Bachia pallidiceps 66 Bachia panoplia 66 Bachia peruana 66 Bachia scolecoides 66 Bachia talpa 66 Bachia trisanale 66 Barisia imbricata 47 Basiliscus vittatus 59 Batrachoseps 34, 36, 41 Batrachoseps aridus 19

Batrachoseps attenuatus 5, 51, 109 Bolitoglossa marmorea 109 Batrachoseps attenuatus attenuatus 3, 33, Bolitoglossa mexicana 109 88 Bolitoglossa morio 109 Bolitoglossa nicefori 109 Batrachoseps attenuatus catalinae 33 Batrachoseps attenuatus leucopus 33 Bolitoglossa nigrescens 109 Batrachoseps attenuatus major 3, 33 Bolitoglossa nigroflavescens 109 Batrachoseps attenuatus pacificus 33 Bolitoglossa occidentalis 109 Batrachoseps campi 19 Bolitoglossa omniumsanctorum 109 Batrachoseps catalinae 33 Bolitoglossa orestes 109 Batrachoseps caudatus 33, 109 Bolitoglossa palmata 109 Batrachoseps leucopus 33 Bolitoglossa pandi 109 Batrachoseps major 19, 33 Bolitoglossa parviceps Batrachoseps pacificus 5, 33, 51, 109 Bolitoglossa peruviana 109 Batrachoseps wrighti 6, 109 Bolitoglossa phalarosoma 109 Batrachuperus 109 Bolitoglossa platydactyla 109 Batrachyla antartandica 53 Bolitoglossa riletti 109 Batrachyla leptopus 53, 55 Bolitoglossa robusta 109 Batrachyla taeniata 53 Bolitoglossa rostrada 109 Batrachyperus pinchonii 34 Bolitoglossa rufescens 109 Bipes 66 Bolitoglossa salvinii 109 Bolitoglossa savagei 109 Boavus affinis 9 Boletoglossa 35 Bolitoglossa schizodactyla 109 Bolitoglossa schmidti 109 Boletoglossa leprosa 41 Bolitoglossa 34 Bolitoglossa sima 109 Bolitoglossa sooyorum 109 Bolitoglossa adspersa 109 Bolitoglossa altamazonica 109 Bolitoglossa striatula 109 Bolitoglossa alvaradoi 109 Bolitoglossa subpalmata 109 Bolitoglossa arborescandens 109 Bolitoglossa vallecula 109 Bolitoglossa biseriata 109 Bolitoglossa veracrucis 109 Bolitoglossa borburata 109 Bolitoglossa yucatana 109 Bolitoglossa brevipes 109 Borborocoetea gravi 53 Borborocoetes bolitoglossus 53 Bolitoglossa capitana 109 Bolitoglossa cerroensis 109 Borborocoetes columbianus 53 Bolitoglossa chica 109 Borborocoetes grayi 53 Bolitoglossa colonnea 109 Borborocoetes verucosus 53 Bolitoglossa cuchamatana 109 Bothrops bicolor 60 Bolitoglossa dofleini 109 Bothrops rowleyi 60 Bolitoglossa dunni 109 Brachymeles 65 Bolitoglossa engelhardti 109 Broiliellus 85 Bolitoglossa epimela 109 Bufo 10, 12 Bolitoglossa flavimembris 109 Bufo alvarius 76, 89 Bolitoglossa flaviventris 109 Bufo americanus 78 Bolitoglossa franklini 109 Bufo boreas 9, 26, 44, 61, 76, 78, 83 Bolitoglossa helmrichi 109 Bufo boreas halophilus 3, 88 Bolitoglossa hypacra 109 Bufo bufo 78 Bolitoglossa lignicolor 109 Bufo canorus 61, 76 Bolitoglossa lincolni 109 Bufo coccifer 73 Bolitoglossa macrinii 109 Bufo cognatus 26, 44

Bufo cognatus californicus 3 Bufo coniferus 73 Bufo exsul 76 Bufo fastidiosus 73 Bufo fowleri 83 Bufo haematiticus 73 Bufo holdridgei 73 Bufo luetkenii 73 Bufo marinus 73, 78 Bufo marmoreus 23 Bufo melanochloris 73, 78 Bufo nelsoni 76 Bufo periglenes 72, 73 Bufo retiformis 89 Bufo valliceps 73, 98 Bufo variegatus 55 Bufo woodhousei 44 Cacotus maculatus 53 Caiman crocodilus 78 Calamagras 9 Callisaurus draconoides 50 Callisaurus ventralis gabbii 3 Callisaurus ventralis ventralis 3 Calliscincopus 65 Callopistes flavipunctatus 65 Callopistes maculatus 65 Captorhinikos 86 Captorhinus 84 Captorhinus aguti 86 Cardiocephalus 84 Centrolene fleischmanni 82 Centrolene geckoideum 29 Centrolene valerioi 82 Centrolenella albomaculata 29, 73, 82 Centrolenella antioquiensis 29 Centrolenella bucklevi 29 Centrolenella chirripoi 29, 73, 82 Centrolenella chrysops 82 Centrolenella colymbiphyllum 29, 72, 73, 82 Centrolenella decorata 82 Centrolenella euknemos 29, 73, 82 Centrolenella fleischmanni 29, 73, 82 Centrolenella grandisonae 29 Centrolenella granulosa 73, 82 Centrolenella griffithsi 29 Centrolenella ilex 29, 73, 82

Centrolenella johnelsi 29

Centrolenella medemi 29 Centrolenella millepunctata 82 Centrolenella ocellifera 29 Centrolenella parabambae 29 Centrolenella peristicta 29 Centrolenella prosoblepon 29, 72, 73, 82 Centrolenella pulverata 29, 73, 82 Centrolenella reticulata 73, 82 Centrolenella spinosa 29, 73, 82 Centrolenella talamancae 73, 82 Centrolenella valerioi 29, 73, 82 Centrolenella vireovittata 73, 82 Centrolenella viridissima 82 Cercosaura 67 Cercosaurus 65 Chamaeleo marshalli 105 Chamaesaura macrolepis 66 Chamops segnis 65 Charina bottae 3, 9 Charina prebottae 9 Cheilophis 9 Chelonia mvdas 1, 27, 44 Chelonia mydas agassizi 14 Chelonia mydas carrinegra 14 Chioglossa 109 Chionactis 12 Chionactis occipitalis occipitalis 48, 49 Chiropterotriton 5, 34 Chiropterotriton abscondens 109 Chiropterotriton arboreus 109 Chiropterotriton barbouri 109 Chiropterotriton bromeliacia 109 Chiropterotriton chiropterus 109 Chiropterotriton chondrostega 109 Chiropterotriton dimidiatus 109 Chiropterotriton lavae 109 Chiropterotriton magnipes 109 Chiropterotriton megarhinus 109 Chiropterotriton mosauri 109 Chiropterotriton multidentatus 109 Chiropterotriton nasalis 109 Chiropterotriton picadoi 109 Chiropterotriton priscus 109 Chiropterotriton xolocalcae 109 Clemmys bockmani 13 Clemmys hesperia 13 Clemmys marmorata 3, 9, 13, 44, 88 Clemmys morrisiae 13

Colobosaurus 65 Clemmys owyheensis 13 Colostethus nubicola 73 Clemmys saxea 13 Colostethus talamancae 73 Cnemidophorus 44 Cnemidophorus angusticeps 65 Coluber 8 Cnemidophorus bilobatus 25 Coluber atratus 60 Cnemidophorus burti 65 Coluber constrictor 9, 10, 12, 103 Cnemidophorus calidipes 65 Coluber constrictor mormon 3, 88 Cnemidophorus ceralbensis 65 Coluber flagellum frenatum 104 Cnemidophorus communis 65 Coluber lateralis 18 Cnemidophorus costatus 65 Coniophanes bipunctatus 98 Cnemidophorus cozumela 65 Coniophanes fissidens 98 Cnemidophorus deppi 65 Coniophanes imperialis 98 Cnemidophorus exsanguis 58, 65 Coronella 98 Cnemidophorus gularis 58, 65 Craspedoglossa sanctaecatherinae 53 Cnemidophorus guttatus 65 Crenadactylus ocellatus 22 Cnemidophorus hyperythrus 58, 65 Crepidophryne epioticus 73 Cnemidophorus inornatus 58, 65 Crocodilurus lacertinus 65 Cnemidophorus labialis 58, 65 Crossodactylus 53 Cnemidophorus lacertoides 65 Crotalus 31 Crotalus atrox 8, 10, 42, 49 Cnemidophorus lemniscatus 65 Cnemidophorus lineatissimus 65 Crotalus cerastes 3, 8 Cnemidophorus maximus 65 Crotalus cerastes cerastes 48, 49 Cnemidophorus melanostethus 103 Crotalus cerastes laterorepens 48, 49 Cnemidophorus montaguae 65 Crotalus confluentus mitchellii 3 Cnemidophorus murinus 65 Crotalus confluentus oreganus 3 Cnemidophorus neomexicanus 58, 65 Crotalus mitchelli 20 Cnemidophorus ocellifer 65 Crotalus mitchelli pyrrhus 48, 49 Cnemidophorus perplexus 103 Crotalus mitchelli stephensi 8 Cnemidophorus sacki 65 Crotalus molossus molossus 103 Cnemidophorus septemvittatus 58, 65 Crotalus potterensis 9 Cnemidophorus sexlineatus 25, 58, 65 Crotalus ruber 3 Crotalus ruber ruber 49 Cnemidophorus sonorae 65 Cnemidophorus tessellatus 58 Crotalus scutulatus 3, 8 Crotalus scutulatus scutulatus 49 Cnemidophorus tessellatus stejnegeri 3 Crotalus viridis 8, 9, 12, 13, 18, 44 Cnemidophorus tessellatus tessellatus 3 Crotalus viridis helleri 48, 49 Cnemidophorus tigris 8, 9, 50, 58, 65 Cnemidophorus uniparens 65 Crotalus viridis oreganus 88 Cnemidophorus vanzoi 65 Crotalus viridis viridis 43 Cnemidophorus velox 65 Crotaphytus 12 Cochranella chirripoi 82 Crotaphytus collaris 3, 8, 9, 50 Cochranella decorata 82 Crotaphytus collaris baileyi 10, 104 Cochranella fleischmanni 82 Crotaphytus wislizenii 3, 9, 50 Cochranella millepunctata 82 Cryptobranchus 34, 35, 36, 38, 40, 42, 84, Cochranella reticulata 82 109 Cochranella talamancae 82 Cryptobranchus alleghaniensis 79 Coleonyx variegatus 3, 50, 103, 104 Cynaps pyrogaster 41 Colobodactylus 65, 66, 67 Cynops 35, 109

Cynops pyrogaster 39

Colobosaura 66

Cynops pyrrhogaster 34 Cystignathus missiessii 53 Cystignathus nodosus 53 Cystignathus sylvestris 53

Dehmiella schindwolfi 109
Dendrobates auratus 73
Dendrobates granuliferus 73
Dendrobates pumilio 73
Dermochelys coriacea 27
Dermophis occidentalis 82
Dermophis parviceps 82
Desmognathus 36, 38
Desmognathus aeneus 109
Desmognathus auriculatus 109
Desmognathus fusca 41
Desmognathus fuscus 42, 109

Desmognathus fuscus auriculatus 34
Desmognathus fuscus brimleyorum 34
Dasmognathus fuscus fuscus 34

Desmognathus fuscus fuscus 34 Desmognathus monticola 109 Desmognathus ochrophaeus 109

Desmognathus ochrophus carolinensis 34 Desmognathus ochrophus ochrophus 34

Desmognathus ocoee 109 Desmognathus phoca 34

Desmognathus quadramaculatus 109

Desmognathus quadramaculatus

quadramaculatus 34

Desmognathus quadrimaculatus 35 Desmognathus wrighti 34, 109

Diadophis 98

Diadophis amabilis modestus 3, 88

Diaglena spatulata 23 Diamectylus viridescens 42

Diaphorolepis 98

Dicamptodon 35, 36, 39, 41 Dicamptodon ensatus 34, 77, 109

Dicrodon guttulatum 65 Dicrodon heterolepis 65 Dicrodon holmbergi 65 Diemictylus viridescens 39, 41 Diemyctylus viridescens 37, 42

Diplocaulus 84 Dipsas tenuissima 82 Dipsosaurus dorsalis 50

Dipsosaurus dorsalis dorsalis 3, 104

Dracaena colombiana 65

Dracaena guianensis 65
Dracaena paraguatensis 65
Dryadophis dorsalis 60
Dryadophis melanolomus laevis 60
Drymarchon corais couperi 31
Drymobius margaritiferus 98

Echinosaura 67 Echinosaurus 65 **Ecolsonia** 85

Ecolsonia cutlerensis 85

Ecpleopus 65, 67
Eladinea 109
Elaphe subocularis 10
Elaphe triaspis 57
Eleutherodactylus 81

Eleutherodactylus alfredi 74
Eleutherodactylus anatipes 75
Eleutherodactylus anciano 75
Eleutherodactylus andi 72, 74
Eleutherodactylus angelicus 72
Eleutherodactylus anomalus 54, 75
Eleutherodactylus anotis 54

Eleutherodactylus aurilegulus 75 Eleutherodactylus berkenbuschii 74, 75 Eleutherodactylus binotatus 53, 54 Eleutherodactylus brocchi 74, 75 Eleutherodactylus bufoniformis 54 Eleutherodactylus bufonius 52

 ${\it Eleutherodactylus\ caryophallaceous\ 70}$

Eleutherodactylus cerasinus 70
Eleutherodactylus crassidigitus 72
Eleutherodactylus cruentus 70, 72
Eleutherodactylus cuaquero 72
Eleutherodactylus decoratus 74
Eleutherodactylus diastema 70, 72
Eleutherodactylus dubitus 70
Eleutherodactylus escoses 75

Eleutherodactylus escoses 75
Eleutherodactylus fitzingeri 54, 72, 74
Eleutherodactylus fleischmanni 75
Eleutherodactylus ginesi 53
Eleutherodactylus gollmeri 72, 98
Eleutherodactylus guentheri 53
Eleutherodactylus hylaeformis 70
Eleutherodactylus latidiscus 52
Eleutherodactylus longirostris 72
Eleutherodactylus marshae 70

Eleutherodactylus matudai 75

Eleutherodactylus melanostictus 72 Eupsophus illotus 53 Eleutherodactylus merendonensis 60, 75 Eupsophus juninensis 53 Eleutherodactylus milesi 75 Eupsophus lutzi 53 Eleutherodactylus moro 70 Eupsophus miliaris 53 Eleutherodactylus natator 74 Eupsophus montanus 53 Eleutherodactylus nigrogriseus 52 Eupsophus monticola 53, 55 Eleutherodactylus octavioi 53 Eupsophus nodosus 53 Eleutherodactylus pugnax 54 Eupsophus pervanus 53 Eleutherodactylus punctariolus 60, 75 Eupsophus petropolitanus 53 Eleutherodactylus rayo 72, 74 Eupsophus quixensis 53 Eleutherodactvlus ridens 70, 72 Eupsophus roseus 53 Eleutherodactylus rugulosus 72, 74, 75, 98 Eupsophus sylvestris 53 Eleutherodactylus rugulosus natator 60 Eupsophus taeniatus 53 Eleutherodactylus rugulosus rugulosus 60 Eupsophus versus 53 Eleutherodactylus surdus 54 Eupsophus vertebralis 53 Eleutherodactylus talamancae 72, 74 Eupsophus wettsteini 53 Eleutherodactylus tiptoni 70 Eurycea 39 Eleutherodactylus unistrigatus 54 Eurecea bislineata 41 Eleutherodactylus verrucosus 53 Eurecea gutolineata 36 Eleutherodactylus vocalis 74 Eurycea 41 Eleutherodactylus vocator 70 Eurycea aquatica 109 Eleutherodactylus vulcani 74 Eurycea bislineata 109 Eleutherodactylus zygodactylus 75 Eurycea bislineata bislineata 34 Engystomops pustulosa 98 Eurycea bislineata cirrigera 34 Ensatina 34, 35, 41 Eurycea bislineata wilderi 34 Ensatina eschscholtzii 3, 109 Eurycea longicauda 109 Enulius flavitorques 16 Eurycea longicauda guttolineata 34 Enulius unicolor 16 Eurycea longicauda longicauda 34 Eretmochelys imbricata 27 Eurycea longicauda melanopleura 34 Eryops 86 Eurycea lucifuga 34, 109 Eumeces 103 Eurycea multiplicata 34, 109 Eumeces brevirostris 47 Eurycea nana 34, 109 Eumeces callicephalus 57 Eurycea neotenes 34 Eumeces gilberti 18, 48, 50 Eurycea pterophila 109 Eumeces multivirgatus 10 Eurycea quadridigitata 109 Eumeces obsoletus 10 Eurycea tridentifera 109 Eumeces skiltonianus 3 Eurycea troglodytes 109 Eumeces striatulus 25, 88 Eurycea tynerensis 109 Eumecoides hibbardi 25 Euspondylus 65, 67 Eumecoides mylocoelus 25 Eutaenia cyrtopsis fulvus 91 Euphsophus verrucosus 53 Eutaenia cyrtopsis sumichrasti 91 Euproctus 109 Eutaenia ordinatus eques 91 Euproctus platycephalus 34 Eutaenia ordinatus sumichrasti 91 Eupsophus bolitoglossus 53 Exelencophis 16 Eupsophus columbianus 53 Eupsophus coppingeri 53, 55 Fleischmannia obscura 98, 101 Eupsophus gargolus 53 Gambelia wislizeni 9

Eupsophus ginesi 53

Gastrophryne carolinensis 89 Homalocranion semi-cinctum 95 Homalocranium alticola 97 Gastrophryne mazatlanensis 89 Gastrophryne olivacea 89 Homalocranium coralliventre 97 Homalocranium laticeps 95 Gastrophryne pictiventris 73 Gastrophryne texensis 103 Homalocranium semicinctum 95 Homonota borelli 46 Geotriton 109 Homonota darwinii 46 Gerrhonotus coeruleus 103, 109 Gerrhonotus kingii 103 Homonota fasciata 46 Gerrhonotus multicarinatus 18 Homonota horrida 46 Gerrhonotus multicarinatus webbii 88, 103, Homonota underwoodi 46 104 Homonota whitii 46 Gerrhonotus scincicauda 79, 80 Hydrocalamus 98 Hydromantes 35, 41 Gerrhonotus scincicauda webbii 3 Hydromantes brunus 109 Geveriella mertensi 109 Glossostoma alterrimum 73 Hydromantes genei 34, 109 Gopherus 44 Hydromantes italicus 109 Gopherus agassizii 3, 8, 9, 10, 62 Hydromantes platycephalus 34, 42, 109 Hydromantes shastae 109 Gopherus berlandieri 10, 62 Hydromorphus 98 Gopherus dehiscus 21 Hyla 52, 54 Gopherus flavomarginatus 10, 62 Gopherus mohavetus 21 Hyla albomarginata 73 Gopherus polyphemus 62 Hyla alleei 71 Hyla angustilineata 73 Gyalopion quadrangularis desertorum 16 Gyalopion quadrangularis quadrangularis Hvla arborea 78 Hyla arenicolor 3, 92 16 Gymnodactylus borelli 46 Hyla baudini 78 Gymnodactylus horridus 46 Hyla boulengeri 73, 78 Gymnophthalmus 65, 66, 67 Hyla cherrei 71 Gyrinophilus 39, 41 Hyla colymba 71, 73 Hyla debilis 71, 73, 81 Gyrinophilus danielsi 109 Gyrinophilus palleucus 109 Hyla ebraccata 73, 78 Gyrinophilus porphyriticus 109 Hyla elaeochroa 71, 73, 78 Gyrinophilus porphyriticus danielsi 34 Hyla eximia 92 Gyrinophilus porphyriticus porphyriticus Hyla fimbrimembra 73 34 Hyla lancasteri 73 Hyla legleri 71, 73, 81, 82 Haideotriton wallacei 109 Hyla loquax 73 Hammatodactylus 53 Hyla lythrodes 71, 73 Haptoglossa 109 Hyla microcephala 71, 73 Haptosphenus placodon 65 Hyla miliaria 73, 78 Heloderma suspectum 8 Hvla moesta 71 Hemidactylium scutatum 34, 109 Hyla monticola 71 Hemidactylum 35, 41 Hyla moraviensis 73 Hemidactylum pacificus 33 Hyla phlebodes 73 Hemidactylum scutatum 34 Hyla picadoi 73 Heterodactylus 65, 67 Hyla pictipes 71, 73, 81 Heterodactylus imbricatus 66 Hyla pseudopuma 72, 73, 81

Hyla punctariola moesta 81

Homalocranion lineatum 95

Hyla punctariola monticola 71, 81 Hyla punctariola pictipes 71, 81 Hyla regilla 2, 3, 17, 44, 88 Hyla rivularis 71, 72, 73, 81 Hyla rosenbergi 73, 78 Hyla rufioculis 71, 73, 81 Hyla rufitela 73 Hyla staufferi 71, 73 Hyla strigilata 53 *Hyla subocularis* 71, Hyla tica 71, 73, 81 Hyla uranochroa 71, 72, 73, 81 Hyla xanthosticta 73 Hyla zeteki 71, 73 Hylactophryne augusti 57, 74 Hylella chrysops 82 Hylella fleischmanni 82 Hylodes berkenbuschii 74 Hylodes philippi 53 Hylodes verrucosus 53 Hylorina 53 Hynobius 34, 35, 36, 109 Hypopachus caprimimus 73 Hypopachus variolosus 23, 73 Hypsiglena ochrorhynchus 3 Hypsiglena ochrorhynchus ochrorhynchus Hypsiglena torquata deserticola 12, 48, 49 Hypsiglena torquata klauberi 48, 49

Iguana iguana 78 Imantodes 78 Iphisa 65, 66, 67 Ischnocnema guixenis 53 Ischnocnema tuberculosus 53 Ischnocnema verrucosa 53

Kentropyx 67
Kentropyx altamazonicus 65
Kentropyx calcaratus 65
Kentropyx pelviceps 65
Kentropyx striatus 65
Kentropyx viridistriga 65
Kentropyx williamsoni 65

Labidosaurus 86 Lampropeltis 13 Lampropeltis californiae californiae 3

Lampropeltis getulus 8, 9, 10, 12, 44 Lampropeltis getulus boylii 3, 88 Lampropeltis getulus californiae 48, 49, 95, Lampropeltis getulus nigritus 16 Lampropeltis multicincta 3 Lampropeltis nitida 107 Lampropeltis pyromelana 8 Lampropeltis triangulum micropholis 60 Leiuperus verrucosus 53 Lepidochelys olivacea 15, 27 Lepidophyma flavimaculatum 98 Leposoma 65, 66, 67 Leptocalamus trilineatus 94 Leptochamops denticulatus 65 Leptodactylus bolivianus 73 Leptodactylus fragilis 73 Leptodactylus labialis 23, 73 Leptodactylus melanonotus 23, 73, 98 Leptodactylus pentadactylus 73, 78 Leptodactylus podicipinus 74 Leptodactylus poecilochilus 73 Leptodactylus tuberculosus 53 Leptodactylus wagneri 74 Leptodeira septentrionalis 78 Leptophis ahaetulla 59 Leptotyphlops humilis cahuilae 49 Leptotyphlops humilis humilis 49, 104 Leuiperus verrucosus 53 Leurognathus 34, 41 Leurognathus marmoratus 109 Lialis 66 Lichanura 9 Lichanura roseofusca 3, 88 Lichanura roseofusca gracia 48 Lichanura trivirgata gracia 49 Lichanura trivirgata 49 Lichanura roseofusca 49 Lineatriton lineola 109 Litoria glandulosa 53 Longiscitula houghae 85 Lygosoma lentiginosus 66 Lygosoma verreauxi 66 Lysorophus 84

Macropholidus 65, 67 Magnadigita 34, 109 Manculus 39, 41

Manculus quadridigitatus 109 Manculus quadriditatus 34 Masticophis 20 Masticophis flagellum 8, 10, 12, 44 Masticophis flagellum frenatus 3, 88 Masticophis flagellum piceus 48, 49 Masticophis lateralis 3 Masticophis lateralis lateralis 48, 49 Masticophis taeniata 8 Megalobatrachus 40, 109 Megalobatricus 34 Megalotatricus 36 Megamolgophis 84 Meniscognathus ulumani 65 Micrablepharus 66 Microblepharus 65 Microbrachis 84 Microhyla carolinensis 89 Microhyla mazatlanensis 89 Microhyla olivacea 89 Micrurus fulvius 100 Micrurus nigrocinctus babaspul 100 Micrurus nigrocinctus coibensis 100 Micrurus nigrocinctus divaricatus 100 Micrurus nigrocinctus melanocephalus 100 Micrurus nigrocinctus mosquitensis 100 Micrurus nigrocinctus nigrocinctus 100 Micrurus nigrocinctus zunilensis 100 Micrurus ruatanus 100 Mimometophon sapperi 98 Molge vulgaris 79 Moschops 86

Natrix sipedon erythrogaster 31
Natrix sipedon sipedon 31
Natrix sipedon transversa 31
Natrix taxispilota 31
Necturis 40
Necturis 40
Necturis 34-42, 109
Neusticurus 65, 67
Neusticurus apodemus 82
Niceforonia columbianus 53
Niceforonia festae 53
Niceforonia flavomaculata 53
Niceforonia montium 53
Niceforonia nana 53
Niceforonia wettsteini 53
Ninia atrata 60

Ninia sebae 98 Norops tropidolepis 72 Notophthalmus 109

Oedipina 34 Oedipina alfaroi 109 Oedipina bonitaensis 109 Oedipina collaris 109 Oedipina complex 109 Oedipina cyclocauda 109 Oedipina elongata 109 Oedipina elongatus 5, 109 Oedipina gracilis 109 Oedipina ignea 5, 109 Oedipina inusitata 109 Oedipina longissima 109 Oedipina pacificensis 109 Oedipina parviceps 109 Oedipina poelzi 109 Oedipina salvadorensis 5 Oedipina syndactyla 109 Oedipina taylori 5, 109 Oedipina uniformis 109 Oedipinola 34 Oedipus 109 Oedipus adspersa 41 Oedipus elongatus 5 Oedopinola 41 Ogmophis arenarum 9 Ogmophis compactus 9 Ogmophis oregonensis 9 Ololygon 53 Onychodactylus 34, 109 Ophibolus getulus eiseni 107 Ophiogonomon 65 Ophiomorus 66 Ophisaurus 25, 66 Ophisaurus harti 87 Ophisaurus ventralis 87 Opipeuter 65 Opisthotriton kayi 109 *Oreobates quixensis* 53 Ostodolepsis 84

Pachytriton 109
Pachytriton brevipes 34
Paleothyris acadiana 86

Oxybelis aeneus 57

Paludicola verrucosa 53 Pantodactylus 65 Pantylus 84

Pantylus cordatus 86

Paraedura 22

Paraglyphanodon gazini 65

Paramesotriton 109 Paraoxyrhopus 98 Parioxys 85

Parvimolge praecellens 109 Parvimolge richardi 109 Parvimolge townsendi 109

Pelodytes 29

Peltosaurus macrodon 9 Peneteius aquilonius 65 Petrosaurus mearnsi 20

Petrosaurus thalassinus repens 20 Phaeognathus hubrichti 109

Pholidobolus 67
Pholodobolus 65, 66

Phrynohyas venulosa 73, 78, 98

Phrynomerus 29

Phrynonax poecilonotus 98 Phrynopus peruanus 53 Phrynosoma asio 25

Phrynosoma blainvilli frontale 3 Phrynosoma blainvillii blainvillii 3, 88

Phrynosoma boucardi 25 Phrynosoma branconnieri 25 Phrynosoma cerroense 25 Phrynosoma cornutum 10, 25 Phrynosoma coronatum 50

Phrynosoma coronatum blainvillei 25 Phrynosoma coronatum frontale 25

Phrynosoma ditmarsi 25

Phrynosoma douglassi brevirostre 25 Phrynosoma douglassi hernandesi 25, 103

Phrynosoma m'calli 25 Phrynosoma modestum 25

Phrynosoma orbiculare durangoensis 25 Phrynosoma platyrhinos 3, 8, 12, 45, 50,

Phrynosoma platyrhinos platyrhinos 25

Phrynosoma solare 25 Phrynosoma taurus 25 Phydrops melas 98 Phyllobates lugubris 73 Phyllobates vittatus 73 Phyllodactylus elisae 22 Phyllodactylus eugeniae 22 Phyllodactylus gallagheri 22 Phyllodactylus homolepidurus

homolepidurus 90

Phyllodactylus ocellatus 22

Phyllodactylus tuberculosus saxatilis 90

Phyllodactylus xanthi 20

Phyllomedusa 71

Phyllomedusa lemur 73, 78

Phyllorhynchus decurtatus perkinsi 48, 49,

104

Physalaemus 53

Physalaemus pustulosus 73
Pituophis catenifer 8, 10, 13
Pituophis catenifer annectens 3, 88
Pituophis catenifer deserticola 3
Pituophis melanoleucus 12, 44
Pituophis melanoleucus affinis 48, 49
Pituophis melanoleucus annectens 49
Pituophis melanoleucus deserticola 48, 49

Placosoma 65, 67 Plethodon 41

Plethodon caddoensis 109 Plethodon cinereus 35, 109 Plethodon cinereus cinereus 34 Plethodon cinereus dorsalis 34

Plethodon dorsalis 109 Plethodon dunni 34, 109 Plethodon elongatus 34, 109

Plethodon glutinosus 5, 35, 36, 39, 109 Plethodon glutinosus shermani 34

Plethodon hardii 34 Plethodon idahoensis 34 Plethodon jordani 34, 109 Plethodon larselli 109 Plethodon longicrus 109 Plethodon metcalfi 34 Plethodon neomexicanus 109

Plethodon nettingi 34
Plethodon ouachitae 5, 109
Plethodon richmondi 34, 109

Plethodon stormi 109 Plethodon vandykei 34, 109 Plethodon vehiculum 34, 109 Plethodon weherlei 34, 109 Plethodon welleri 34, 109 Plethodon yonahlosse 34

Plethodon yonahlossee 5, 109 Plethopsis 41 Plethopsis wrighti 34 Pleurodeles 109 Pleurodelides watli 34 Pleurodellides 42 Pleurodema bufonina 55 Pleurodema verrucosa 53 Pliocercus annellatus 96 Pliocercus arubticus 96 Pliocercus dimidiatus 96 Pliocercus euryzonus aequalis 96 Polyglyphanodon sternbergi 65 Polyglyphanodon utahensis 65 Prionodactylus 65, 67 Proctoporus 65, 67 Prodesmodon copei 109 Proteus 34, 39, 40, 41, 109 Psammodynastes 98 Psepdotriton 42 Pseuacris brachyphona 28 Pseudacris brimlevi 28 Pseuacris clarki 28 Pseudacris nigrita 28 Pseudacris ornata 28 Pseudacris streckeri 28 Pseudacris triseriata 28, 83 Pseudobranchus 34, 39, 40, 42 Pseudoeurycea 34 Pseudoeurycea altamontana 109 Pseudoeurycea bellii 109 Pseudoeurycea brunnata 109 Pseudoeurycea cephalica 109 Pseudoeurycea expectata 109 Pseudoeurycea firscheini 109 Pseudoeurycea gadovii 109 Pseudoeurycea galeanae 109 Pseudoeurycea gigantea 109 Pseudoeurycea goebeli 109 Pseudoeurycea leprosa 109 Pseudoeurycea melanomolge 109 Pseudoeurycea nigromaculata 109 Pseudoeurycea rex 109 Pseudoeurycea robertsi 109 Pseudoeurycea scandans 109 Pseudoeurycea smithi 109

Pseudoeurycea sulcata 109

Pseudoeurycea unguidentis 109

Pseudoeurycea werleri 109 Pseudoficimia frontalis hiltoni 16 Pseudoficimia hiltoni 16 Pseudoficimia pulcherrima 16 Pseudohyla nigrogrisea 52 Pseudotriton 39, 41 Pseudotriton montanus 109 Pseudotriton ruber 109 Pseudotriton ruber ruber 34 Pseudotriton ruber vioscai 34 Pseustes poecilonotus 98 Ptychoglossus 65, 67 Ptychohyla spinipollex 71 Ptychyglossus 66 Pvgopus 66

Rana 12, 56 Rana aurora 2, 44 Rana aurora draytonii 3, 106 Rana boylei 44, 106 Rana boylii muscosa 3 Rana boylii sierrae 17 Rana cascadae 44 Rana catesbeiana 18, 79, 80, 83, 106 Rana clamitans 78 Rana macroglossa 106 Rana megapoda 106 Rana montezumae 92 Rana moorei 106 Rana muscosa 44 Rana palmipes 73, 106 Rana pipiens 8, 10, 23, 73, 78, 79, 92, 98, 106

Rana platyrrhinus 79 Rana pustulosa 92, 106 Rana sierramadrensis 106 Rana sinaloae 92, 106 Rana tarahumarae 57, 92, 106 Rana temporaria 78

Rana vibicaria 73 Rana warschewitschii 73

Ranodon 36

Rhacophorus nigropalmatus 78 Rhacophorus otilophus 78 Rhacophorus pardalis 78

Rhadinaea 98

Rhadinaea altamontana 99 Rhadinaea godmani 99

Rhadinaea kinkelini 60 Rhadinaea zilchi 99 Rhampholeon marshalli 105 Rhampholeon platyceps 105 Rhampholeon spectrum 105 Rhinocheilus lecontei 3 Rhinocheilus lecontei clarus 48, 49 Rhinocheilus lecontei lecontei 48, 49 Rhinophrynus dorsalis 73 Rhodona 66 Rhyacosiredon altamirani 34 Rhyacosiredon olympicus 34 Rhyacotriton 109 Rhyocotriton 39, 41, 42

Salamandra 35-39, 41-42, 109 Salamandra atra 33 Salamandra attenuata 33 Salamandra maculosa 34, 79 Salamandrella 35, 36, 39, 41, 42 Salamandrina 34, 109 Salvadora grahamiae grahamiae 4 Salvadora grahamiae hexalapis 3 Salvadora grahamiae hexalepis 4 Salvadora grahamiae virgultea 4 Salvadora hexalepis hexalepis 48, 49 Salvadora hexalepis mojavensis 48, 49 Saniwa brooksi 9 Sauromalus obesus 3, 8, 9, 20, 50 Scapherpeton 109 Scaphiopus couchi 10, 89 Scaphiopus hammondii 3, 10, 12, 89 Scaphiopus hammondii hammondii 17 Sceloporus 44 Sceloporus bulleri 47 Sceloporus clarki 9 Sceloporus consobrinus 103, 104 Sceloporus elongatus 103, 104 Sceloporus graciosus 9, 12 Sceloporus graciosus gracilis 3 Sceloporus graciosus graciosus 103 Sceloporus graciosus vandenburghianus 3 Sceloporus grammicus 47 Sceloporus magister 3, 9, 12, 20, 50 Sceloporus magister magister 103, 104 Sceloporus occidentalis 9, 18, 20, 49, 50 Sceloporus occidentalis biseriatus 3, 88,

103, 104

Sceloporus orcutti 3, 9, 20 Sceloporus robustus 25 Sceloporus variabilis 98 Scincella cherriei 98 Scolecophis atrocinctus 95 Seymouria baylorensis 86 Siagonodon humilis 3 Sibon anthracops 60 Sibon carri 60 Siredon 42 Siren 34, 35, 36, 39, 40, 42, 109 Smilisca baudinii 23, 73, 78, 98 Smilisca gabbi 81 Smilisca phaeota 73 Smilisca puma 73 Smilisca sila 73 Smilisca sordida 73, 81 Sonora 12 Spelerpes 109 Spelerpes vermicularis 5 Sphaerodactylus dunni 60 Stegops 85 Stereochilus 35 Stereochilus marginatus 34, 109 Steriochilus 41 Stylemys 21 Synchalinus corallioides 98

Synophis 98 Syrrhophis interorbitalis 16

Syrrhophis modestus pallidus 16, 92 Syrrhophus juninensis 53

Tantilla 12 Tantilla alticola 97 Tantilla annulata 95, 97, 102 Tantilla armillata 102 Tantilla atriceps 57 Tantilla bogerti 57 Tantilla brevicauda 93 Tantilla briggsi 97 Tantilla canula 97 Tantilla cuniculator 97 Tantilla deppei 97 Tantilla eiseni 3, 57

Tantilla eiseni transmontana 49 Tantilla flavilineata 93, 97 Tantilla hobartsmithi 57 Tantilla jani 93, 94, 97

Tantilla melanocephala 95, 97 Thamnophis couchii atratus 2 Tantilla moesta cuniculator 97 Thamnophis couchii hammondii 2 Tantilla nelsoni 16 Thamnophis cyrtopsis 60 Tantilla nigriceps 103 Thamnophis cyrtopsis collaris 91 Tantilla phrenitica 93, 97 Thamnophis cyrtopsis cyrtopsis 91 Tantilla planiceps atriceps 57 Thamnophis cyrtopsis fulvus 91 Tantilla planiceps eiseni 57 Thamnophis elegans 18 Thamnophis elegans terrestris 2 Tantilla planiceps planiceps 57 Tantilla planiceps utahensis 57 Thamnophis eques 91 Tantilla planiceps yaquia 57 Thamnophis fulvus 91 Tantilla reticulata 93, 97 Thamnophis halophilus 91 Tantilla schistosa costaricensis 102 Thamnophis hammondii 88 Tantilla schistosa phrenitica 93, 97, 102 Thamnophis marcianus bovalli 91 Tantilla schistosa schistosa 93, 102 Thamnophis marcianus cerebrosus 91 Tantilla semicinta 95 Thamnophis marcianus preocularis 91 Tantilla semicinctum 95 Thamnophis ordinoides 103 Tantilla shawi 95 Thamnophis ordinoides elegans 3 Tantilla striata 93, 97 Thamnophis ordinoides hammondii 3 Tantilla supracincta 95 Thamnophis rozellae 91 Tantilla taeniata 93, 94, 102 Thamnophis sirtalis 18 Tantilla utahensis 57 Thamnophis sirtalis infernalis 2, 3, 88 Tantilla vermiformis 102 Thamnophis sirtalis sirtalis 31 Tantilla yaquia bogerti 57 Thamnophis sumichrasti cerebrosus 91 Tantilla yaquia yaquia 57 Thamnophis sunichrasti fulvus 91 Taricha 44 Thamnophis sumichrasti salvini 91 Thorius 34, 36 Taricha granulosa 109 Taricha torosa 39, 79 Thorius dubitus 109 Taricha torosus 41, 42 Thorius macdougalli 109 Teius teyou 65 Thorius maxillabrochus 109 Telmatobius aemaricus 53 Thorius minutissimus 109 Telmatobius grandisonae 55 Thorius narisovalis 109 Telmatobius hauthali 53 Thorius pennatulus 109 Thorius pulmonaris 109 Telmatobius jelskii 53 Telmatobius montanus 53 Thorius schmidti 109 Telmatobius nitoi 55 Thorius troglodytes 109 Telmatobius patagonicus 55 Thoropa lutzi 53 Telmatobius praebasalticus 53, 55 Thoropa miliaris 53 Telmatobius reverberii 53, 55 Thoropa petropolitanus 53 Telmatobius solitarius 55 Tomodactylus saxatilis 92 Telmatobius somuncurensus 55 Trematops willistoni 85 Tersomicus 85 Trematopsis seltini 85 Testudo 9 Tretanorhinus 98 Testudo milleri 21 Tretioscincus 65, 66, 67 Testudo mohavense 21 Trimetopon 98 Tetradactylus 66 Trimorphodon lambda 49 Teuchocercus 65 Trimorphodon lyrophanes 64

Trimorphodon vandenburghi 3, 48, 49

Triton 34, 37

Thamnodynastes 98

Thamnophis 44

Triton cristatus 79 Triton punctatus 79 Triturus 109 Triturus alpestris 34 Triturus cristatus 34, 42 Triturus granulosus granulosus 34 Triturus granulosus mazamae 34 Triturus klauberi 34 Triturus marmoratus marmoratus 34 Triturus torosa 79 Triturus torosus 3, 34, 35, 36, 37, 38 Triturus viridescens 37 Triturus viridescens viridescens 34 Triturus vulgaris 34 Tropidodipsas freiae 16 Tropidodipsas malacodryas 16 Tropidodipsas occidentalis 16 Tropidodipsas philippi 16 Tropidodipsas sartorii 96 Tropidonotus collaris 91 Tropidonotus ordinatus eques 91 Tropidonotus ordinatus sumichrasti 91 Tupinambis rufescens 65 Tupinambis teguixin 65 Tylops 42 Tylotriton andersoni 34 Typhlomolge 39, 41, 42 Typhlomolge rathbuni 34, 109 Typhlomolge tridentifera 109 Typhlops braminus 16 Typhlotriton 41 Typhlotriton spelaeus 24, 34, 109

Uma inornata 3
Uma notata 3
Uma scoporia 50
Urosaurus graciosus 50
Urosaurus microscutatus 20
Uta ornata symmetrica 103
Uta stansburiana 12, 18, 20, 49, 50, 58
Uta stansburiana hesperis 3, 88
Uta stansburiana stejnegeri 3, 104

Varanus varius 11

Xantusia arizonae 103, 104 Xantusia henshawi 20 Xantusia riversiana 3, 51 Xantusia vigilis 3, 50, 103, 104 Xenodon rhabdocephalus 98 Xenopholis 98 Xenopus laevis 56

